DIRECTORATE OF
INTELLIGENCE

Imagery Analysis Report

Ching-tao Naval Facilities

Ching-tao, China

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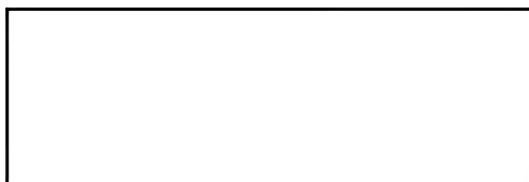
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Declass Review by NIMA / DoD

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DDI IMAGERY ANALYSIS STAFF

CHING-TAO NAVAL FACILITIES

CHING-TAO, CHINA

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FACILITY : CHING-TAO NAVAL PIER
LOCATION : CHING-TAO, CHINA
GEO COORDS: 36-06N 120-19E

KEY TO ANNOTATIONS ON FIGURE 1

1. Two SHANGHAI Class PTF (LOA approx 130')*.
   Both vessels are similarly configured. The gun mounts and super-
   structure are positioned in the same manner as on known"SHANGHAIs"
   of the new design. There is a canvas covering over a portion of the
   after deck on the outboard vessel.

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2. KRONSHTADT Class PC (LOA approx 170').

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3. Unidentified vessel (LOA approx 105').

4. Two unidentified ATA (LOA of inboard unit approx 140', LOA of outboard
   unit approx 155').
   Class identification of these vessels cannot be determined.

5. GORDYY Class ODD (LOA approx 370').

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6. US "LST-1" Class LST (LOA approx 330').

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7. Two US "LST-1" Class LST (LOA of each approx 330').
   These two LST's appear to have a slightly different topside configura-
   tion than the one identified at annotation 6 above. The differences
   noted are the probable removal of the forward gunmount and platform,
   the repositioning of lifeboats on the main deck and a second set of
   probable davits on the port and starboard side just forward of the
   amidships. Canvas coverings can be seen on the sterns of the vessels
   and forward of the bridge on the outboard unit.

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   * All measurements have been made by CIA/IAS.

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8. Probable AKL (HO-PING No. 59 Class, LOA approx 325').
   Identification of this vessel is based on the location and appearance of the superstructure; positioning of lifeboats; and the three large hatches. The designator assignment of probable AKL, is due to the probable gunmount on the bow and its mooring to the naval pier.

9. Probable LCU (LOA approx 120').
   Overall appearance and the positioning of the superstructure indicate this vessel is an amphibious type, but canvas covering from the super-structure to the bow precludes specific identification.

10. Unidentified probable combatant (LOA approx 135').
    Identification is based on the overall hull outline, pointed bow and square stern, the positioning of the superstructure forward of amidship, and a possible gunmount platform on the aft deck.

11. Probable US "LSIL" Class LSIL (LOA approx 160').
    Identification is based upon the overall hull outline, the positioning of the superstructure amidship, and the raised bow equipped with a gunmount platform.

12. Probable "T-43" Class AG (LOA approx 190').
    The identification is based upon the location of the hull and superstructure and the apparent lack of armament.

13. Probable US "LSIL" Class LSIL (LOA approx 160').
    The identification is based upon the hull outline, a raised bow with gunmount platform, and the positioning of the superstructure amidship.

14. Unidentified probable oiler (LOA approx 95').
    This vessel appears to have a catwalk along the centerline from the superstructure forward to the bow.

15. Six unidentified vessels (LOA of each approx 105').
    These vessels appear to have a rounded bow and square stern, with the superstructure located forward of amidship. Three unidentified objects can be seen on the stern of each vessel.
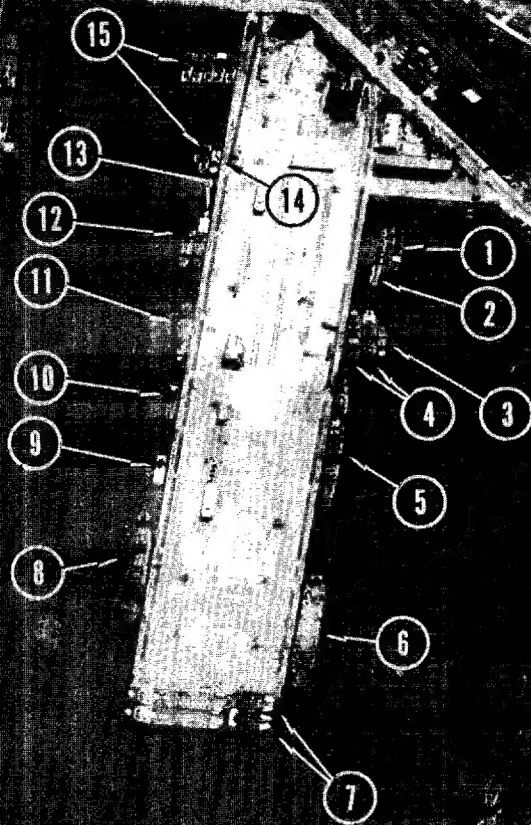
FIGURE 1

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FACILITY   :   CHING-TAO NAVAL DOCKYARD
LOCATION   :   CHING-TAO, CHINA
GEO COORDS: 36-04N 120-18E

KEY TO ANNOTATIONS ON FIGURE 2

1.   (LOA approx 195').
    The identification is based upon the heavy lift bow extension and
    the positioning of the superstructure and masts.

2. Unidentified AO (LOA approx 190').
    This vessel is similar in design to the AO's seen under construction
    at Hu-tung Shipyard, Shanghai, China. A similarity between this
    vessel and those seen at Hu-tung is the angled catwalk running from
    the aft superstructure forward to the bow.

3. Probable KRONSHTADT Class PC (LOA approx 170').
    The identification of this vessel is based on the narrow hull outline,
    the positioning and general appearance of the superstructure and the
    location of a lifeboat on the stern.

4. Unidentified vessel (LOA approx 105').
    Poor imagery and canvas covering preclude further identification.

5. Two unidentified trawlers (LOA of each approx 120').
    Each unit has a large covered hatch on the main deck and canvas coverings
    over the stern.

6. Unidentified vessel (LOA approx 165').
    Poor imagery and canvas covering preclude further identification.

7. Unidentified vessel apparently under construction (LOA approx 170').
    This vessel appears to be a trawler with superstructure aft, two main
    cargo holds, and a raised bow. No masts or cargo booms can be seen.
    No significant changes can be noted on this vessel

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8. Unidentified probable passenger/cargo vessel (LOA approx 195').
    This vessel has a rounded stern, a pointed bow, and an almost
    constant beam. The topside detail includes a long superstructure
    and at least four lifeboats. Imagery equating to two probable light
    cargo booms can be seen on the forward deck. This vessel was seen
    at the same position

9. Four possible PT/PGM (LOA of each approx 85').
    The inboard vessel appears to have the hull and topside detail of
    a combatant. The three outboard vessels are partially canvas
    covered but have the same hull outline as the inboard unit. Four
    SWATOW Class PGM were observed here

10. Seven unidentified possible PT/YP (measurements undetermined).
    These vessels have a narrow beam, pointed bow and a squared off
    stern. All vessels are partially obscured by canvas coverings.

11. Three unidentified probable amphibious vessels (LOA of each approx 90').
    Each vessel has a rectangular hull outline, superstructure aft, and a
    probable bow ramp. The superstructure of each unit is surrounded by
    canvas which precludes further identification.

CHING-TAO NAVAL DOCKYARD
CHING-TAO, CHINA
36-04N 120-18E
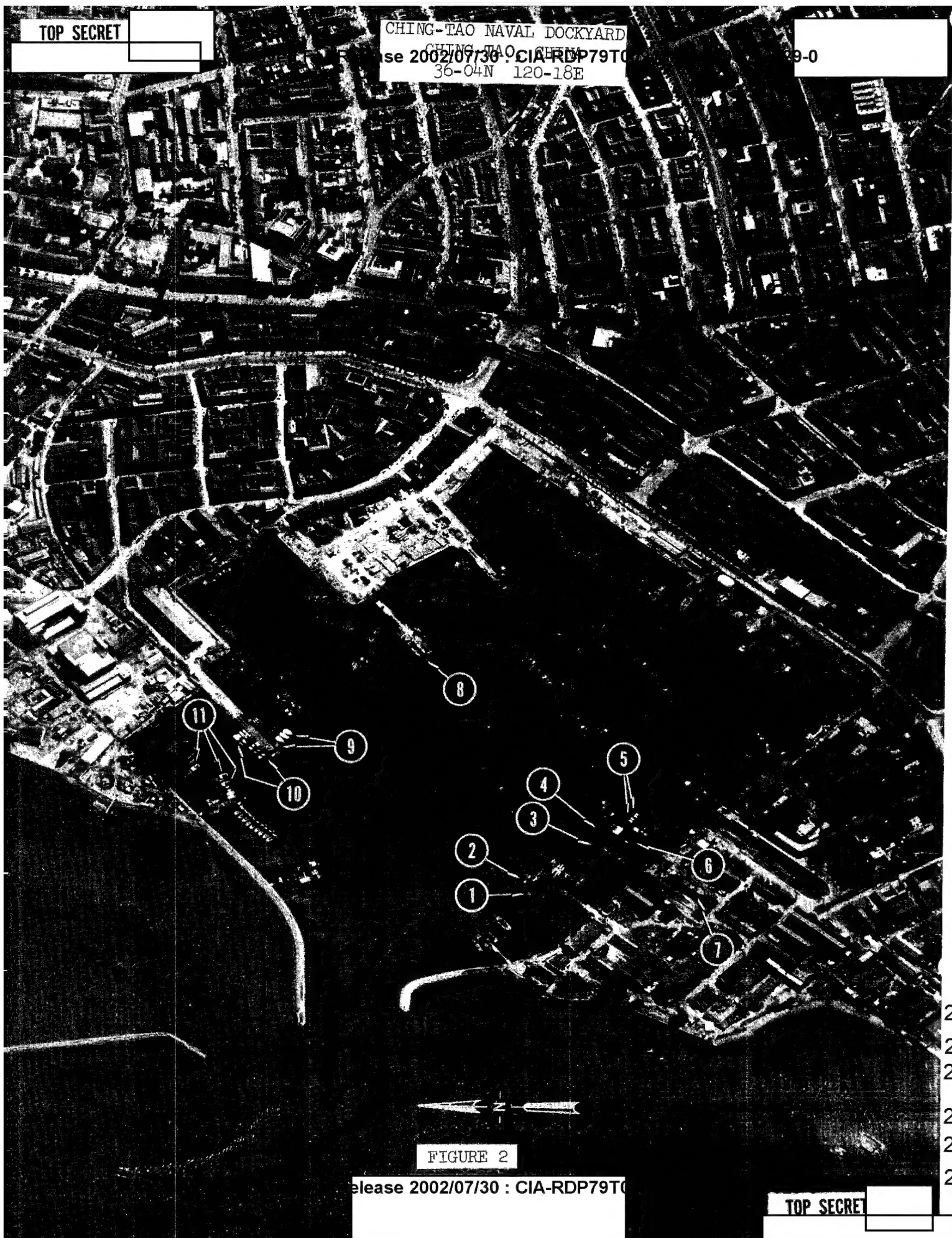
FIGURE 2

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DDI IMAGERY ANALYSIS STAFF

FACILITY   :   CHING-TAO SUBMARINE BASE
LOCATION   :   CHING-TAO, CHINA
GEO COORDS: 36-06N 120-19E

KEY TO ANNOTATIONS ON FIGURE 3

1. Two "W" Class SS (visible waterline length of each approx 250').
    Examination of the forward one-third of the hull outline of these
    boats reveals a much narrower taper, distinguishing the "W" Class
    from "R" Class boats. No snorkel induction housing can be identi-
    fied on either boat.

2. Probable "S-1" Class OSS (visible waterline length approx 255').
    The identification is based upon the narrow taper of the hull
    outline at the bow, the wider taper of the stern, the broad flat
    appearance of the aft deck, and the positioning of the sail.

3. "W/R" Class SS (visible waterline length approx 250').
    Overall appearances indicate that this vessel is of the "W/R" Class,
    although the sail features, hull outline, and possible bow sonar
    array cannot be clearly distinguished.

4. Probable "R" Class SS (visible waterline length approx 250').
    The identification of this unit is based on the wider hull taper on
    the forward one-third of the submarine. Poor image quality precludes
    the identification of a bow sonar array or the "stovepipe" induction
    housing normally associated with this class of submarine. Unidentified
    light-toned imagery can be seen on the fore and aft decks and in the
    approximate positions of the escape hatches.

5. Two unidentified probable trawler/MSC (LOA of each approx 110').
    Poor imagery precludes identification of vessel type.

6. Probable US "LSIL" Class LSIL (LOA approx 160').
    This vessel is almost completely canvas covered except for the bridge
    superstructure and the bow.

7. Unidentified vessel (LOA approx 180').

8. US "LST-1" Class LST (LOA approx 330').

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CHING-TAO SUBMARINE BASE
CHINA-TAO   CHINA
2/07/30 : CIA-RDP79T00919A00
36-06N   120-19E

FIGURE 3

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FACILITY   :   CHING-TAO MOTOR TORPEDO BOAT
                BASE
LOCATION   :   CHING-TAO, CHINA
GEO COORDS: 36-03N 120-19E

KEY TO ANNOTATIONS ON FIGURE 4

1. Four "P-6" Class PT (LOA of each approx 85').

2. Unidentified probable YP (LOA approx 55').
    The superstructure is positioned amidships, however no armament is
    discernible.

3. Six unidentified probable YP (LOA of each approx 55').
    These vessels are similar to the vessel seen at annotation 2.

4. Unidentified probable YP (LOA approx 60').
    This unit has a long narrow hull, a pointed bow, squared-off stern,
    and a small superstructure amidship.

5. Nine "P-6" Class PT (LOA of each approx 85').

6. OSA Class PTFG (LOA approx 125').
    Shadows cast by the radar mast appear to be covering a portion of the
    forward port missile launcher, the other three tubes are clearly
    visible.

7. KOMAR Class PTG (LOA approx 85').
    The port launcher is partially obscured by shadows cast by the radar
    mast.

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CHING-TAO MOTOR TORPEDO BOAT BASE
CHING-TAO, CHINA
36-03N 120-19E
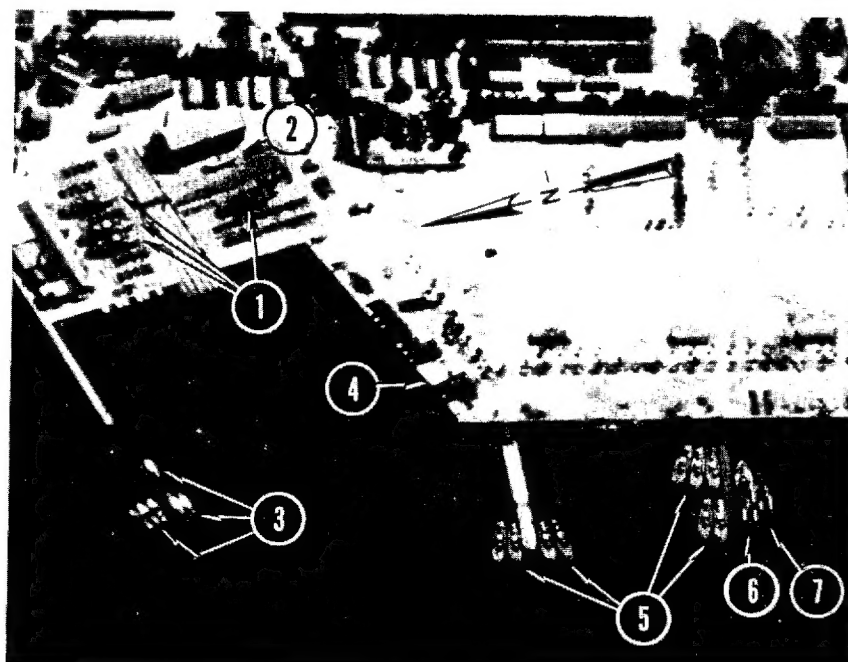
FIGURE 4

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CIA/PIR-67310, Hu-tung Shipyard, Shanghai, China,   25X1
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CIA/PIR-77065, Ching-tao Submarine Base, Ching-tao, China,   25X1
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